

United States Patent [19]

Jansson et al.

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[54] METHOD FOR OPERATING A MICROSCOPICAL MAPPING SYSTEM

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[58] Field of Search 364/520, 525, 518; 382/48, 8, 6; 340/705, 709, 724, 734; 358/101, 107, 93

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[57] ABSTRACT

A "flying field" computer aided interactive microscopical mapping system has been developed that enables an operator to map over a region of the specimen covering many microscopical fields of view without the discontinuities associated with moving the stage and then generating mapping marks as separate and discrete operations. By fixing the mark generation point at a single location on the display device corresponding to the instantaneous intersection of the microscope's optical axis with the specimen stage, a trail of marks are produced that move in unison with the stage motion to remain superimposed with the viewed live specimen image. The points thus recorded are available for later display and analysis.

3 Claims, 21 Drawing Figures

